

Patent Abstracts of Japan

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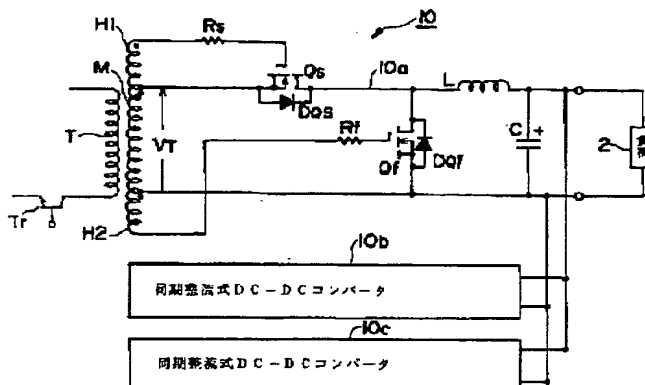
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TITLE : SYNCHRONOUS RECTIFYING DC-DC CONVERTER



ABSTRACT : PROBLEM TO BE SOLVED: To provide a synchronous rectifying DC-DC converter having no possibility of being broken, even when its constituent converters are operated in parallel.

SOLUTION: In a DC-DC converter 10, the flowing of electric currents to the gates of FETs Qs and Qf of a DC-DC converter 10a is prevented, even when electric currents are inputted from DC-DC converters 10b and 10c when the convert 10a stops the generation of a voltage VT, because the FETs Qs and Qf of the converter 10a are turned off. Therefore, the flowing of a heavy current to the converter 10a and, accordingly, the breakage of the FETs Qs and Qf can be prevented, because the FETs Qs and Qf are not turned on.

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